

## VENTING RECLOSABLE BAGS

### ABSTRACT

5 A reclosable bag has a bag body and a reclosable, zipper-type closure. The reclosable  
closure has extruded male and female interlocking profiles extending along opposing sides of  
an opening of the bag and are constructed to releasably interlock. The closure also has an  
extruded valve flange extending from one side of the closure to engage an opposing surface  
of the closure when the profiles are interlocked. The flange and opposing surface are  
constructed to separate in response to pressure within the bag for venting the bag with the  
10 profiles interlocked, and to increase a contact pressure therebetween in response to presence  
of a vacuum in the bag. The closure also defines a vent passage extending from an air space  
between the opposing sides of the opening and between the interlocking profiles and the  
valve flange. In use, the interlocking profiles are engaged to close the bag opening, and then  
the bag sides are compressed together to force entrapped air out through the vent opening,  
15 deflecting the valve flange away from its opposing surface.

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